Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037237.D
Acq On : 13 Jun 2025 21:25
Operator : RC/JU
Sample : PB168391BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Quant Time: Jun 13 23:00:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.575	152	1340	0.400	ng	0.00
7) Naphthalene-d8	10.351	136	3197	0.400	ng	#-0.01
13) Acenaphthene-d10	14.224	164	1517	0.400	ng	0.00
19) Phenanthrene-d10	16.971	188	2544	0.400	ng	0.00
29) Chrysene-d12	21.171	240	1864	0.400	ng	# 0.00
35) Perylene-d12	23.363	264	1823	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	1074	0.326	ng	0.00
5) Phenol-d6	6.759	99	1133	0.327	ng	0.00
8) Nitrobenzene-d5	8.728	82	1094	0.346	ng	0.00
11) 2-Methylnaphthalene-d10	11.955	152	2318	0.540	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	191	0.303	ng	0.00
15) 2-Fluorobiphenyl	12.848	172	2414	0.379	ng	0.00
27) Fluoranthene-d10	19.017	212	2260	0.340	ng	0.00
31) Terphenyl-d14	19.625	244	1545	0.367	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.104	88	767	0.417	ng	# 39
3) n-Nitrosodimethylamine	3.415	42	1445	0.345	ng	# 98
6) bis(2-Chloroethyl)ether	7.012	93	1087	0.350	ng	95
9) Naphthalene	10.404	128	3142	0.339	ng	100
10) Hexachlorobutadiene	10.693	225	809	0.359	ng	# 96
12) 2-Methylnaphthalene	12.026	142	1733	0.308	ng	98
16) Acenaphthylene	13.946	152	2835	0.381	ng	98
17) Acenaphthene	14.288	154	1676	0.349	ng	99
18) Fluorene	15.282	166	2139	0.347	ng	99
20) 4,6-Dinitro-2-methylph...	15.378	198	183	0.391	ng	89
21) 4-Bromophenyl-phenylether	16.177	248	601	0.363	ng	97
22) Hexachlorobenzene	16.289	284	730	0.380	ng	98
23) Atrazine	16.462	200	554	0.375	ng	95
24) Pentachlorophenol	16.636	266	179	0.190	ng	96
25) Phenanthrene	17.021	178	2878	0.357	ng	99
26) Anthracene	17.108	178	2707	0.366	ng	99
28) Fluoranthene	19.045	202	3075	0.326	ng	99
30) Pyrene	19.407	202	3164	0.361	ng	99
32) Benzo(a)anthracene	21.162	228	2335	0.371	ng	100
33) Chrysene	21.206	228	2859	0.365	ng	98
34) Bis(2-ethylhexyl)phtha...	21.099	149	1653	0.353	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.552	276	2941	0.400	ng	99
37) Benzo(b)fluoranthene	22.708	252	2370	0.355	ng	95
38) Benzo(k)fluoranthene	22.752	252	2685	0.349	ng	96
39) Benzo(a)pyrene	23.272	252	2338	0.390	ng	# 93
40) Dibenzo(a,h)anthracene	25.570	278	2093	0.374	ng	98
41) Benzo(g,h,i)perylene	26.216	276	2507	0.368	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037237.D
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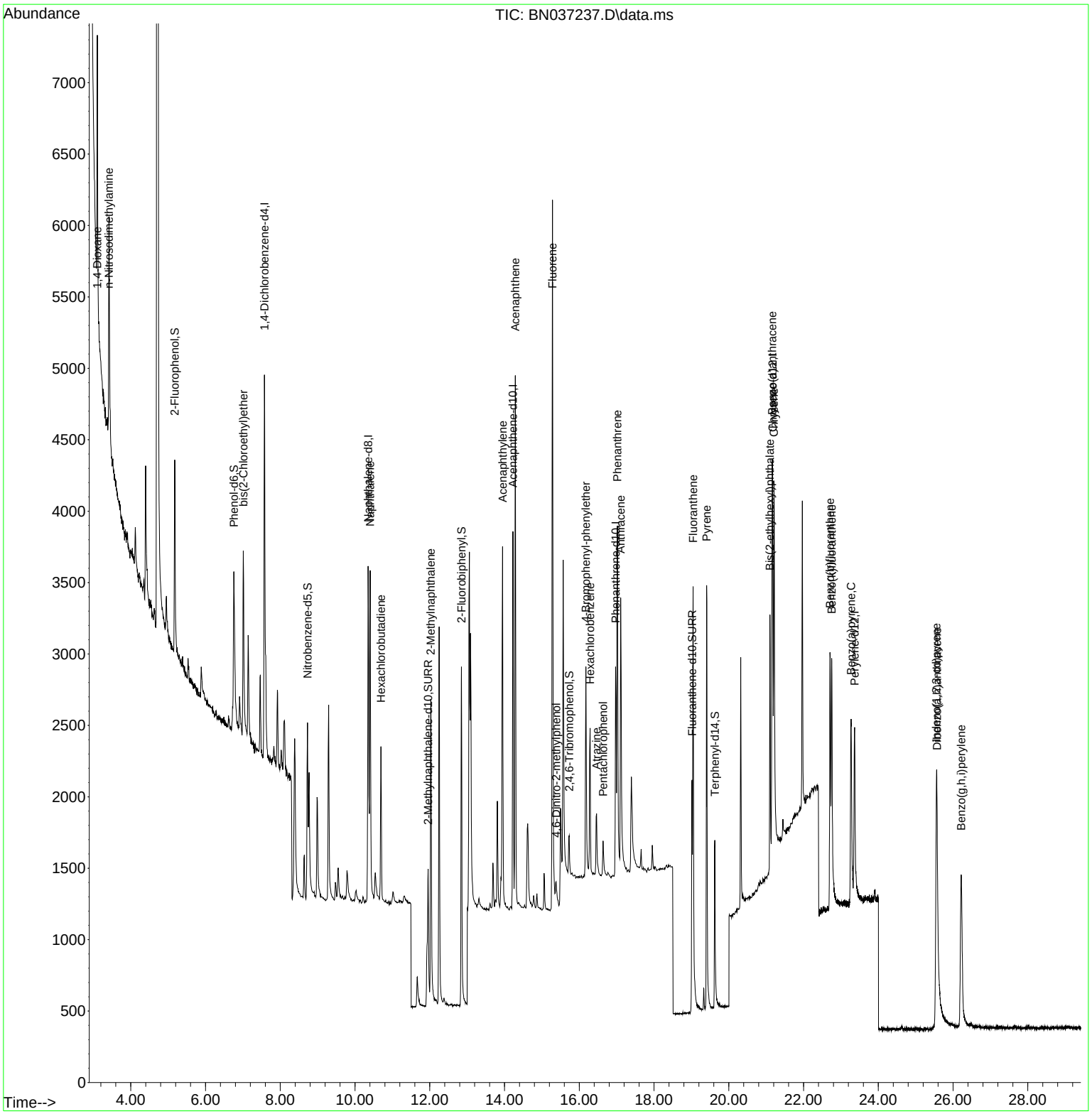
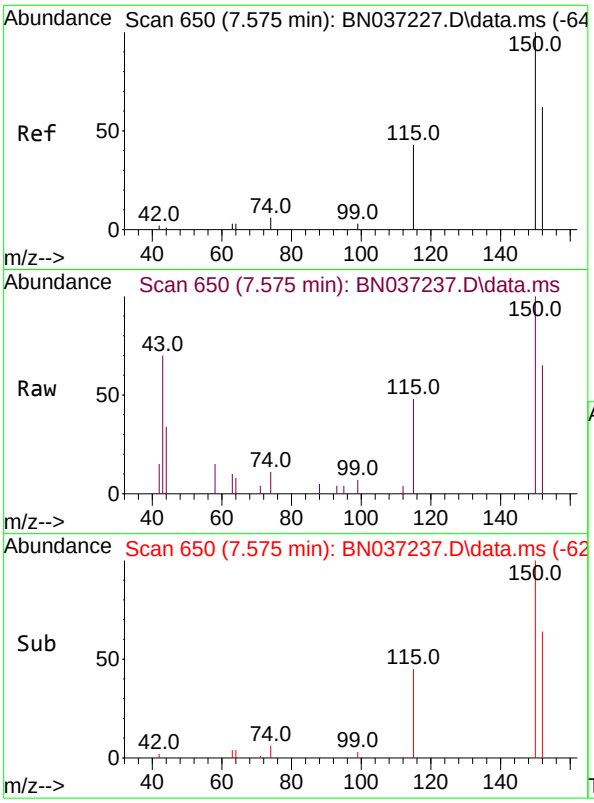
Operator : RC/JU
Sample : PB168391BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Quant Time: Jun 13 23:00:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration



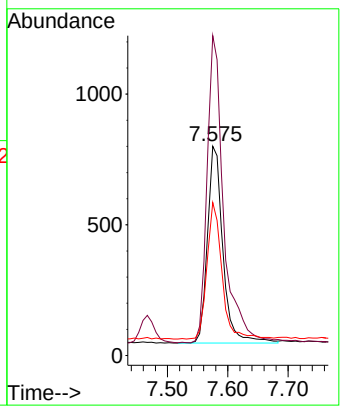


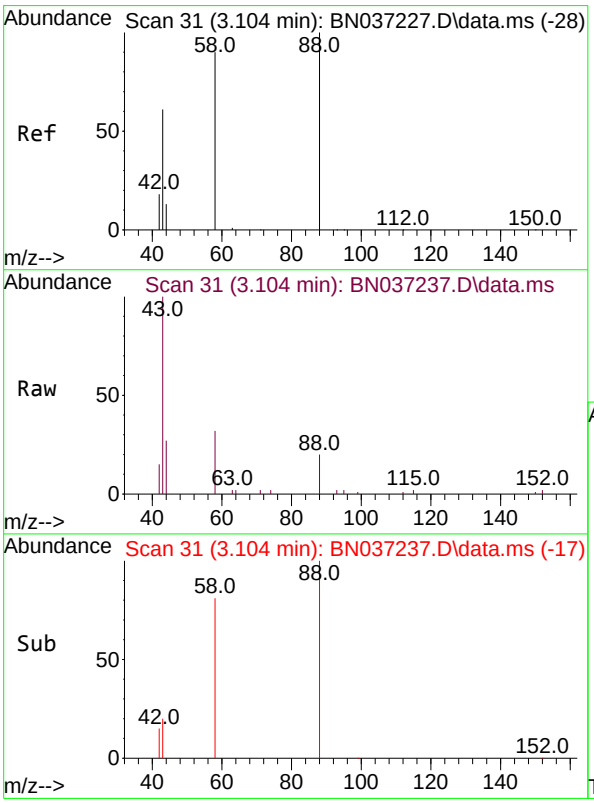
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.575 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:152 Resp: 1340

Ion	Ratio	Lower	Upper
152	100		
150	152.8	125.2	187.8
115	73.0	58.4	87.6

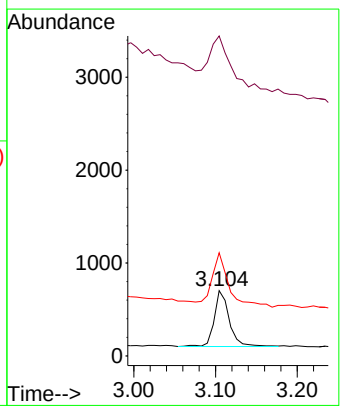


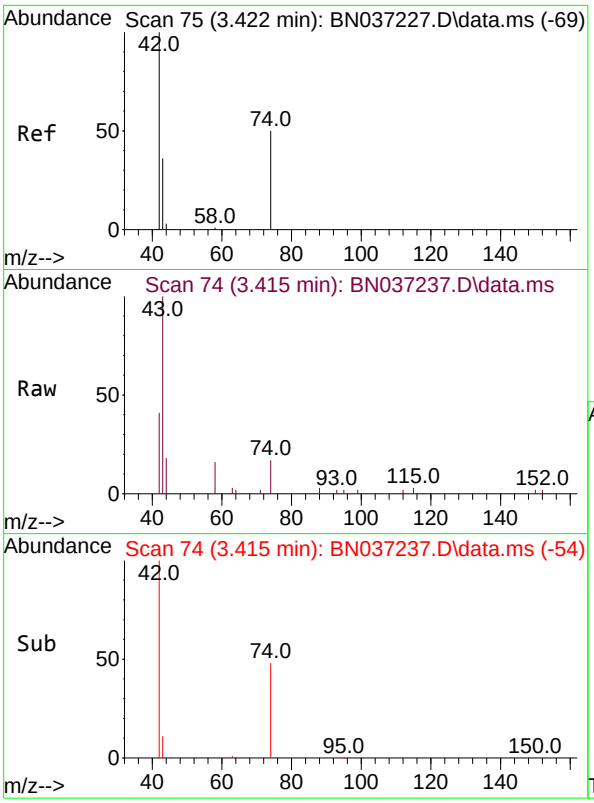


#2
1,4-Dioxane
Concen: 0.417 ng
RT: 3.104 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion: 88 Resp: 767

Ion	Ratio	Lower	Upper
88	100		
43	158.5	52.6	79.0#
58	112.0	73.5	110.3#



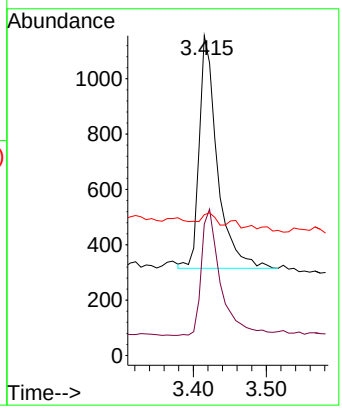


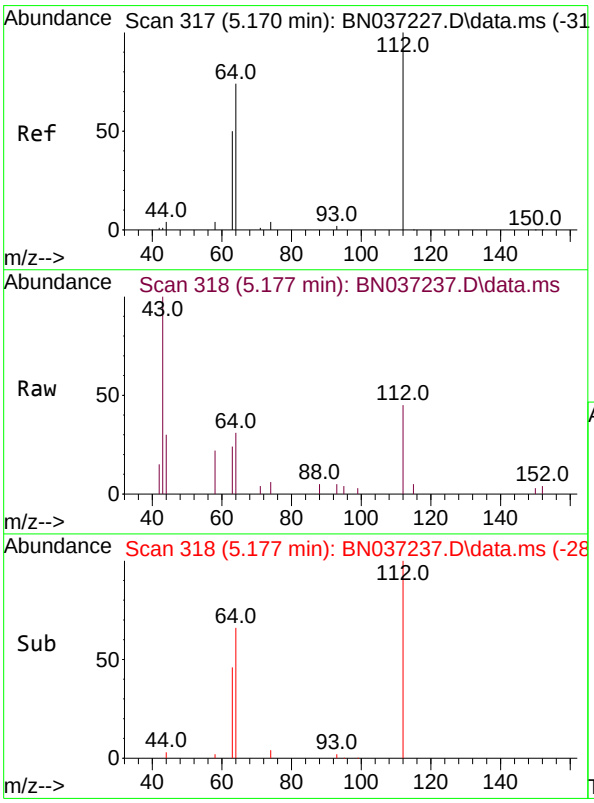
#3
n-Nitrosodimethylamine
Concen: 0.345 ng
RT: 3.415 min Scan# 74
Delta R.T. -0.007 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion: 42 Resp: 1445

Ion	Ratio	Lower	Upper
42	100		
74	57.4	44.6	66.8
44	3.4	3.5	5.3#

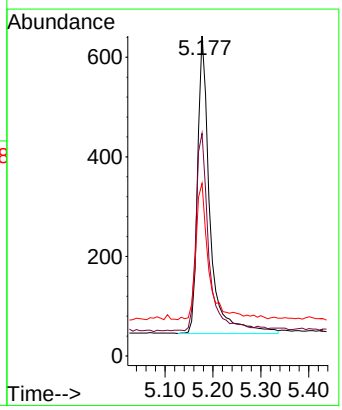


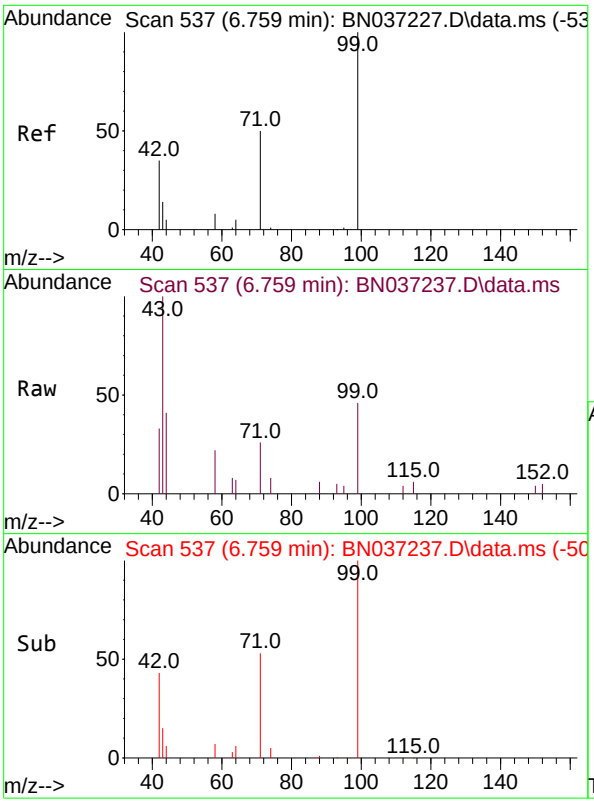


#4
2-Fluorophenol
Concen: 0.326 ng
RT: 5.177 min Scan# 318
Delta R.T. 0.007 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:112 Resp: 1074

Ion	Ratio	Lower	Upper
112	100		
64	68.0	57.2	85.8
63	48.6	39.8	59.6



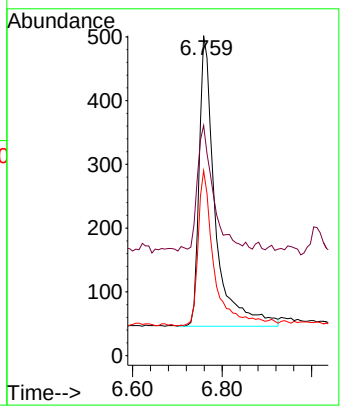


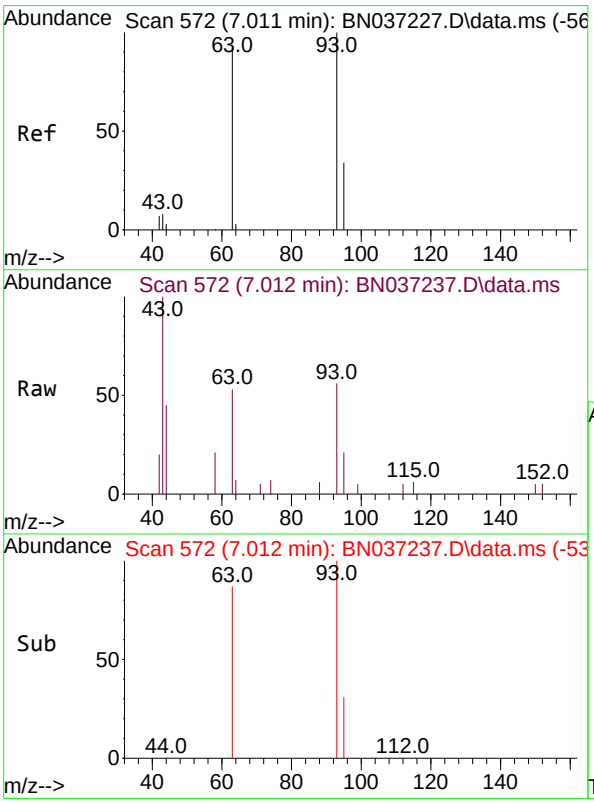
#5
Phenol-d6
Concen: 0.327 ng
RT: 6.759 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion: 99 Resp: 1133

Ion	Ratio	Lower	Upper
99	100		
42	44.2	36.2	54.4
71	52.5	42.4	63.6

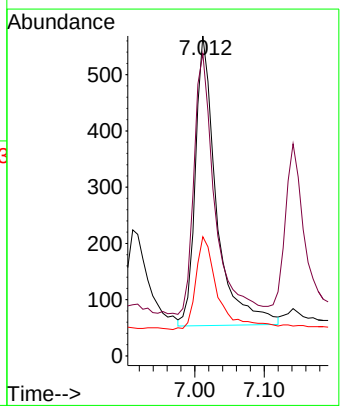


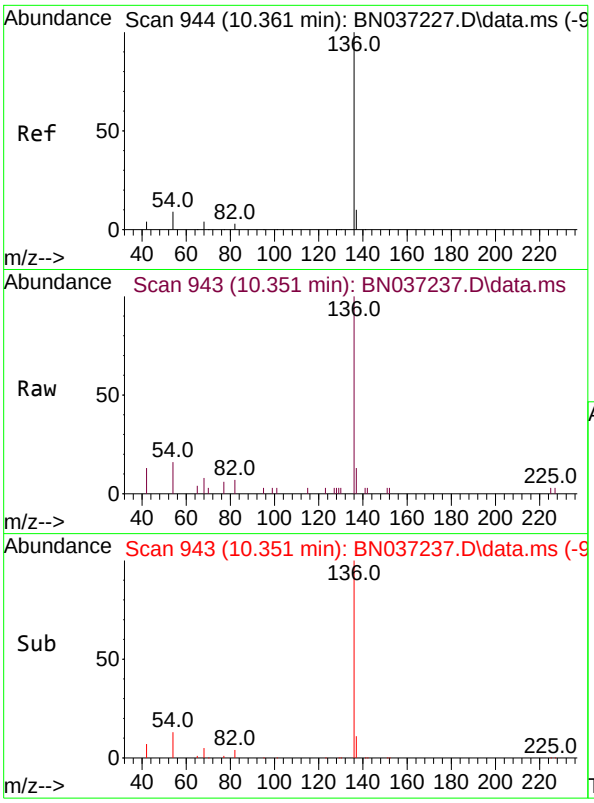


#6
bis(2-Chloroethyl)ether
Concen: 0.350 ng
RT: 7.012 min Scan# 572
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion: 93 Resp: 1087

Ion	Ratio	Lower	Upper
93	100		
63	87.8	75.2	112.8
95	33.8	28.3	42.5



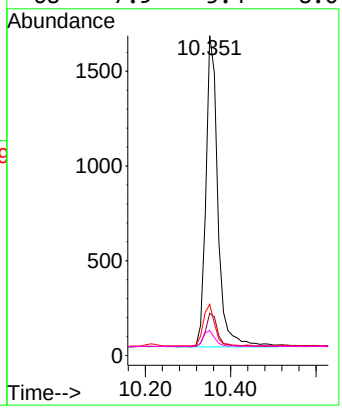


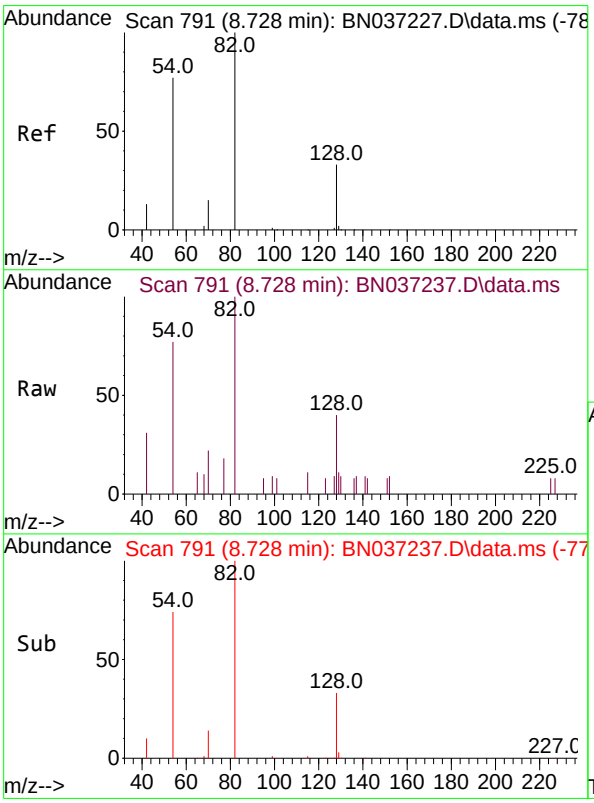
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:136 Resp: 3197

Ion	Ratio	Lower	Upper
136	100		
137	13.2	10.6	15.8
54	16.0	9.2	13.8#
68	7.9	5.4	8.0

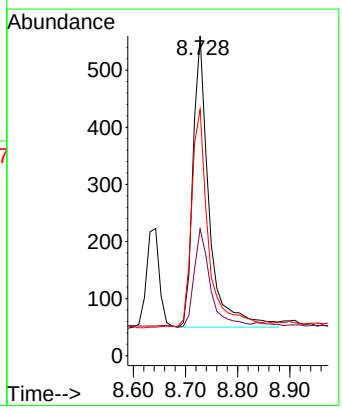


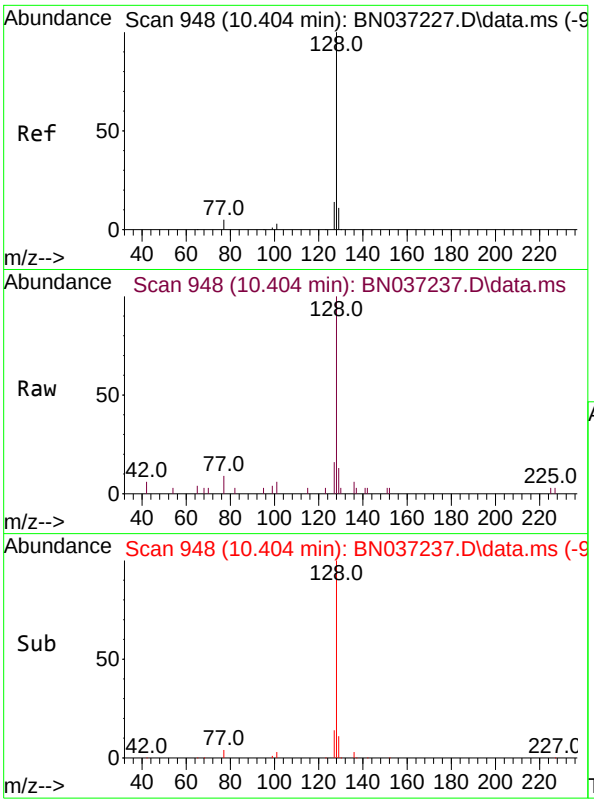


#8
Nitrobenzene-d5
Concen: 0.346 ng
RT: 8.728 min Scan# 791
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion: 82 Resp: 1094

Ion	Ratio	Lower	Upper
82	100		
128	39.6	31.2	46.8
54	77.0	63.3	94.9



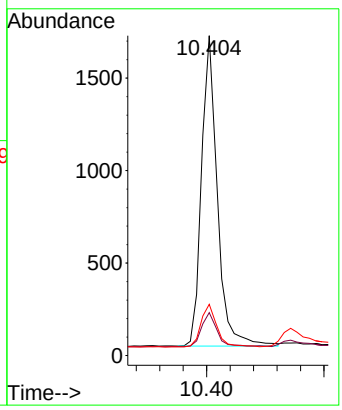


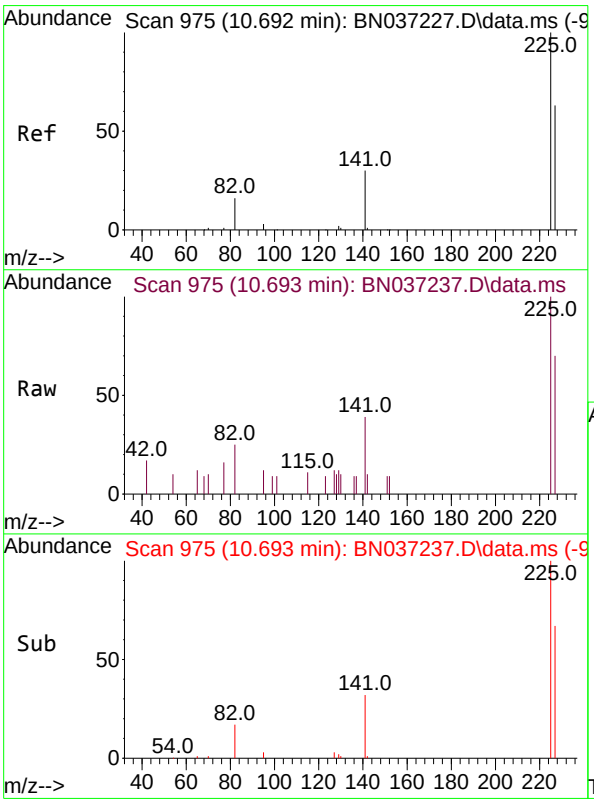
#9
Naphthalene
Concen: 0.339 ng
RT: 10.404 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:128 Resp: 3142

Ion	Ratio	Lower	Upper
128	100		
129	13.4	10.7	16.1
127	16.0	12.6	19.0

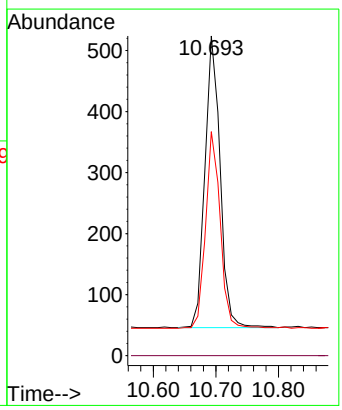


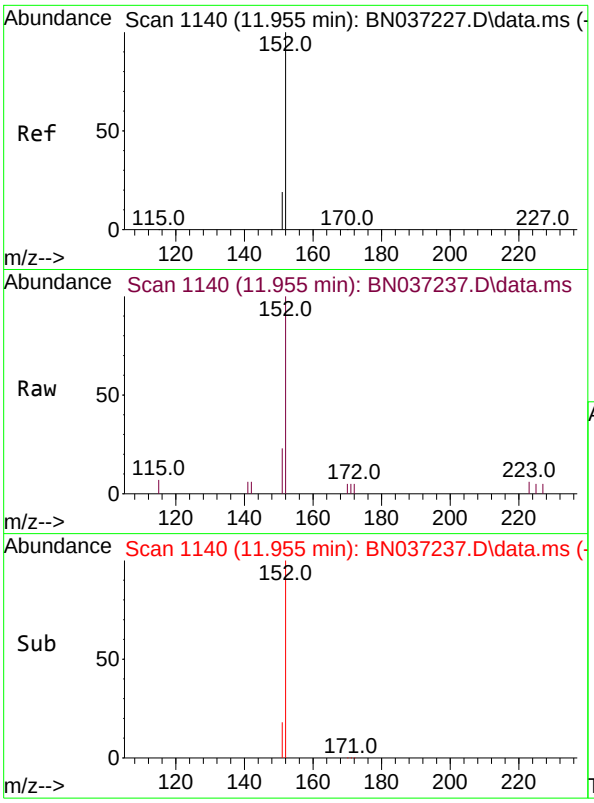


#10
Hexachlorobutadiene
Concen: 0.359 ng
RT: 10.693 min Scan# 975
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:225 Resp: 809

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.6	49.2	73.8



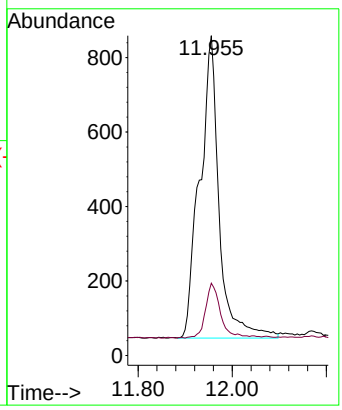


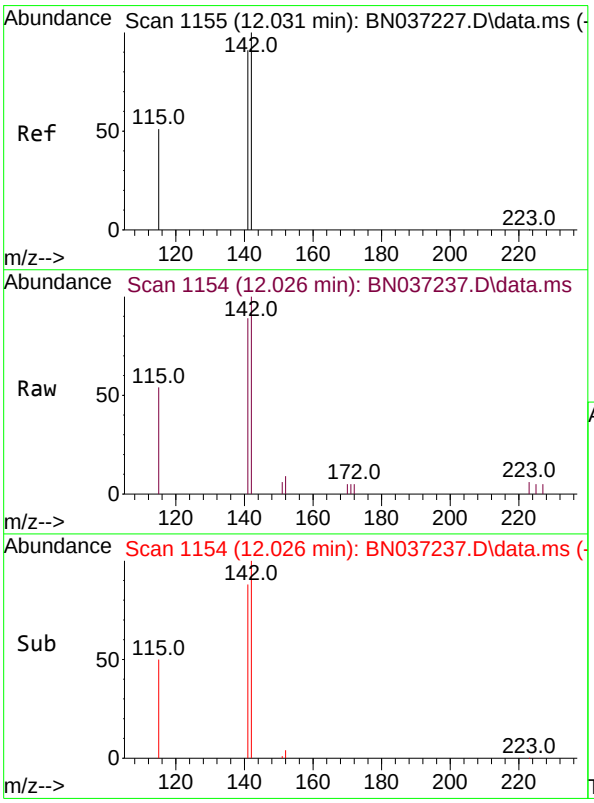
#11
2-Methylnaphthalene-d10
Concen: 0.540 ng
RT: 11.955 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:152 Resp: 2318

Ion	Ratio	Lower	Upper
152	100		
151	14.0	17.9	26.9#

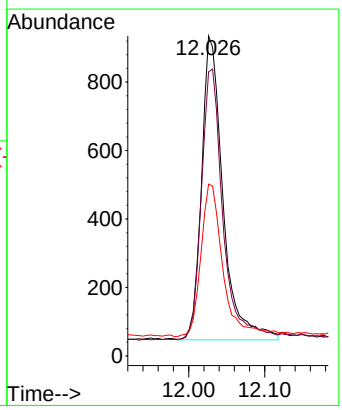


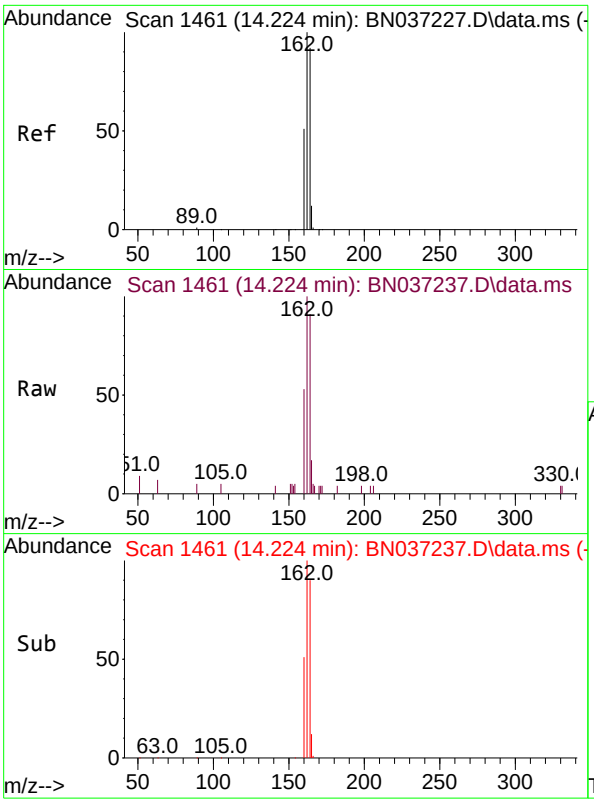


#12
2-Methylnaphthalene
Concen: 0.308 ng
RT: 12.026 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:142 Resp: 1733

Ion	Ratio	Lower	Upper
142	100		
141	88.8	73.0	109.6
115	53.7	43.3	64.9



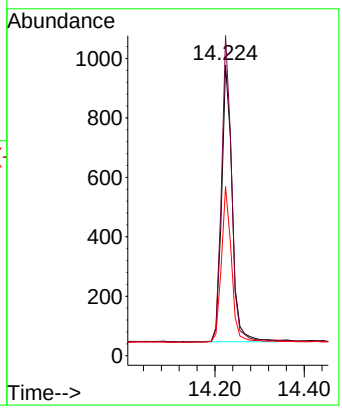


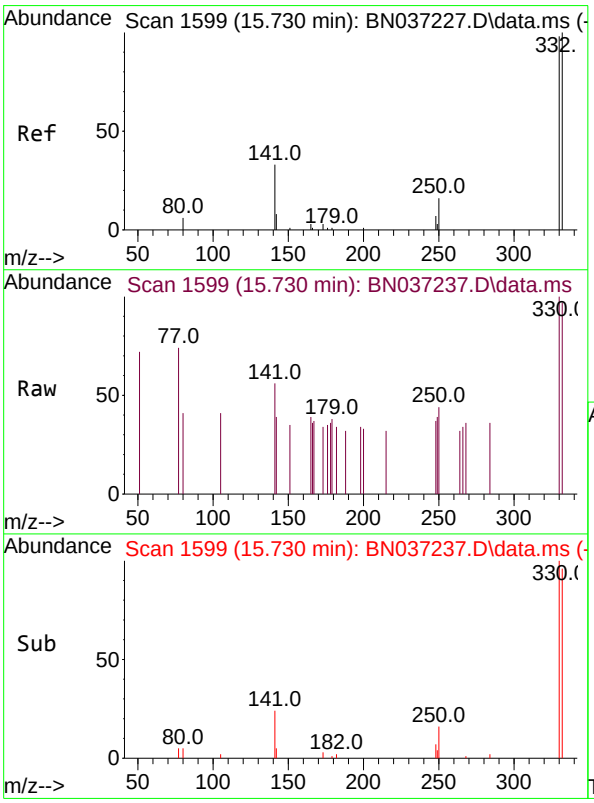
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:164 Resp: 1517

Ion	Ratio	Lower	Upper
164	100		
162	110.1	86.7	130.1
160	58.2	45.8	68.6

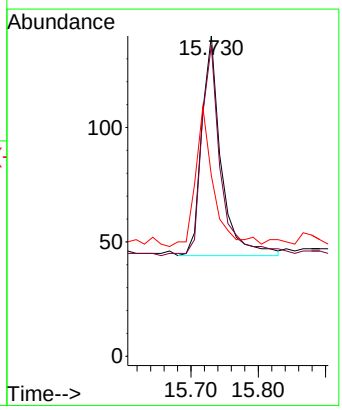


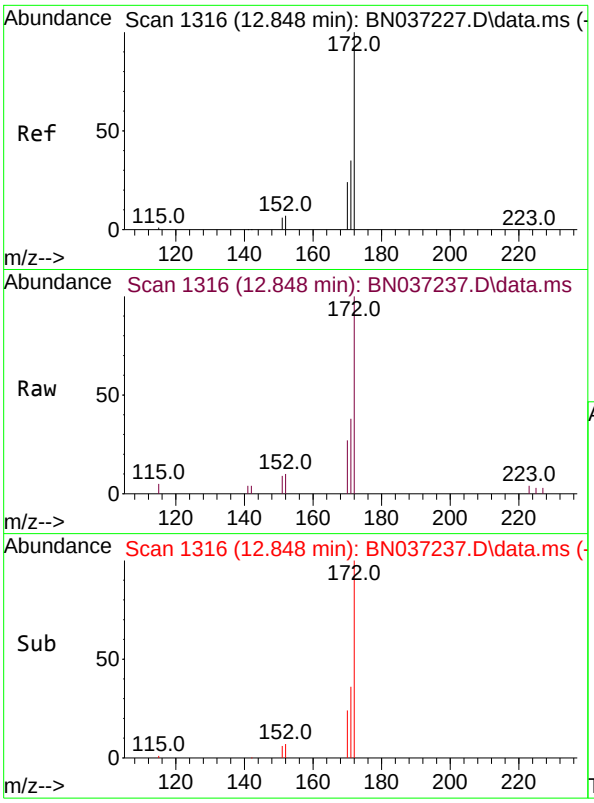


#14
2,4,6-Tribromophenol
Concen: 0.303 ng
RT: 15.730 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:330 Resp: 191

Ion	Ratio	Lower	Upper
330	100		
332	96.9	74.9	112.3
141	59.7	45.1	67.7



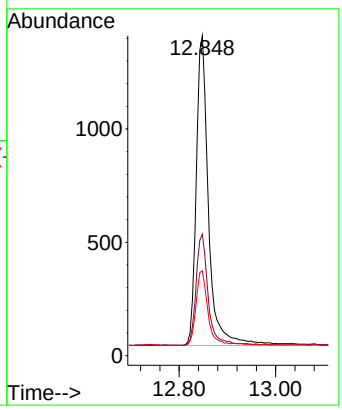


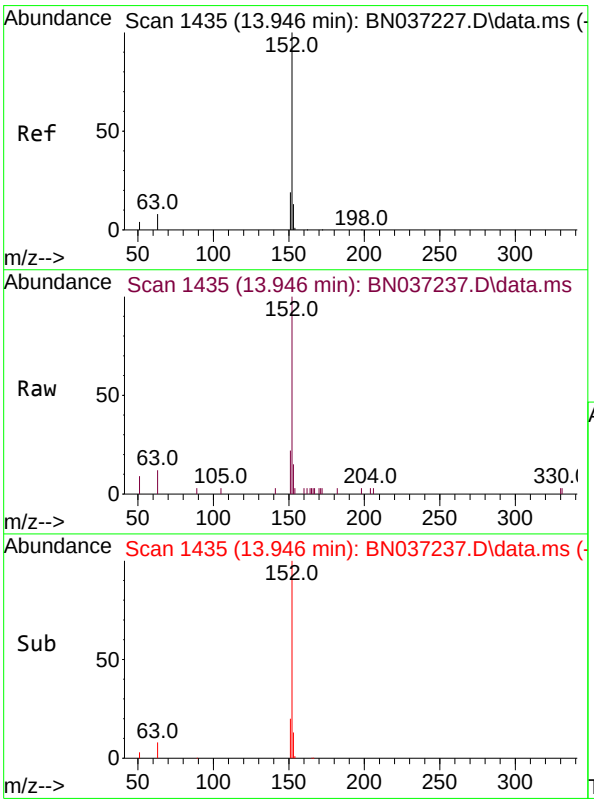
#15
2-Fluorobiphenyl
Concen: 0.379 ng
RT: 12.848 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:172 Resp: 2414

Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.8	44.8
170	26.6	21.1	31.7

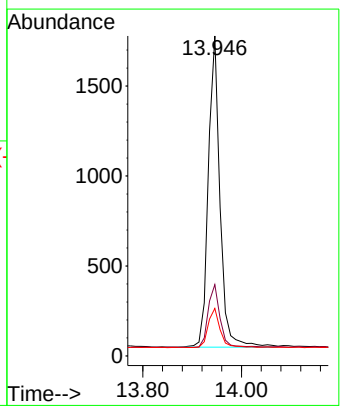


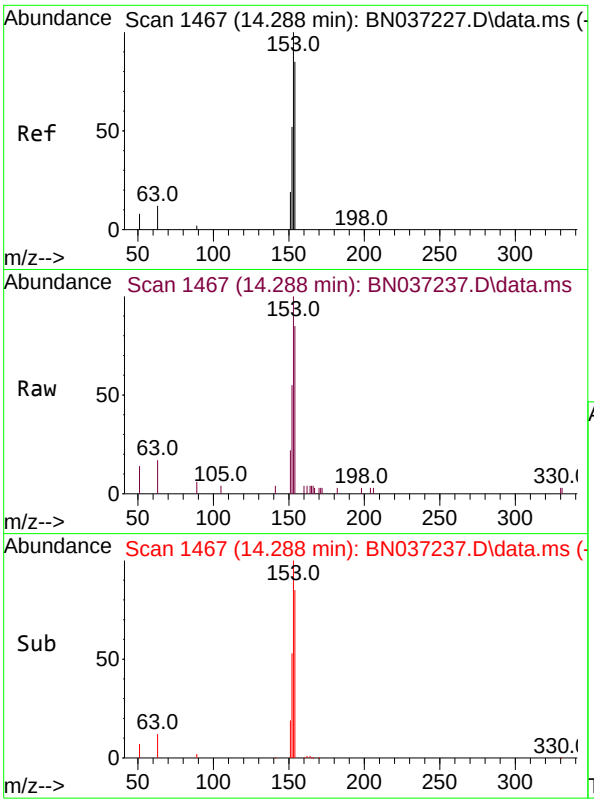


#16
Acenaphthylene
Concen: 0.381 ng
RT: 13.946 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:152 Resp: 2835

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.7	23.5
153	12.8	10.7	16.1



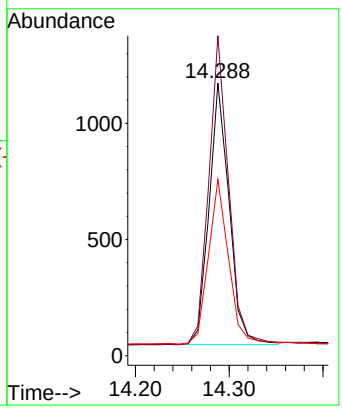


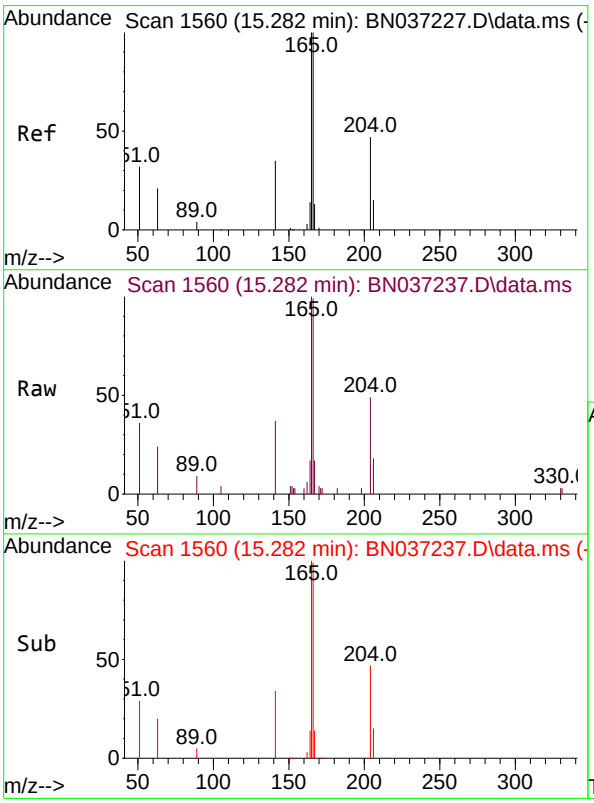
#17
Acenaphthene
Concen: 0.349 ng
RT: 14.288 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:154 Resp: 1676

Ion	Ratio	Lower	Upper
154	100		
153	119.2	94.6	141.8
152	63.5	49.6	74.4

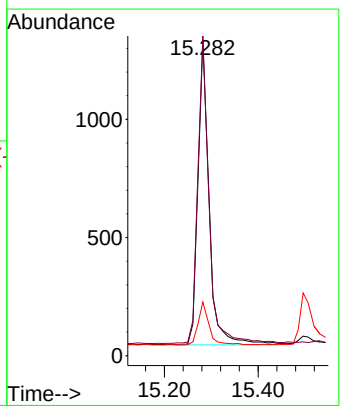


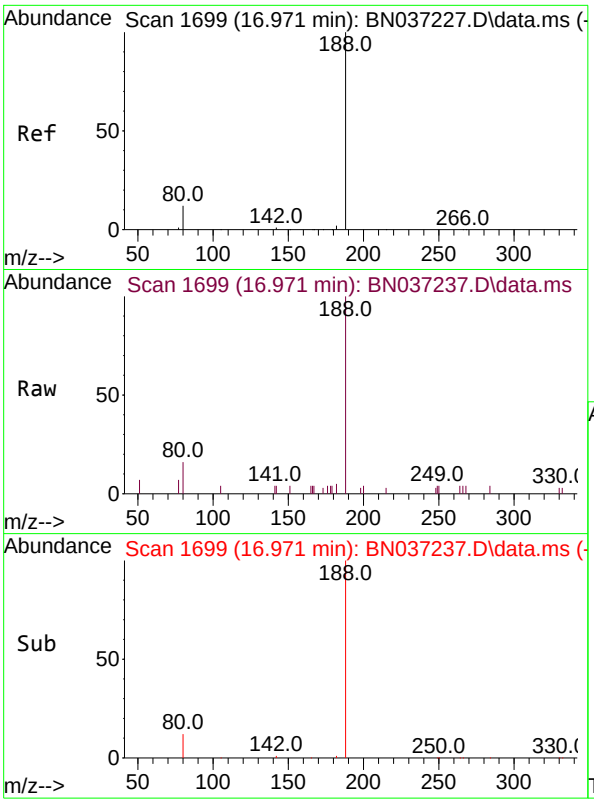


#18
Fluorene
Concen: 0.347 ng
RT: 15.282 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:166 Resp: 2139

Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.8	119.6
167	13.7	10.8	16.2



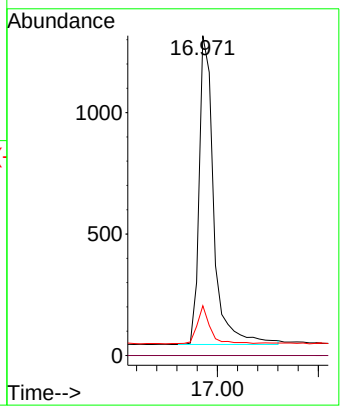


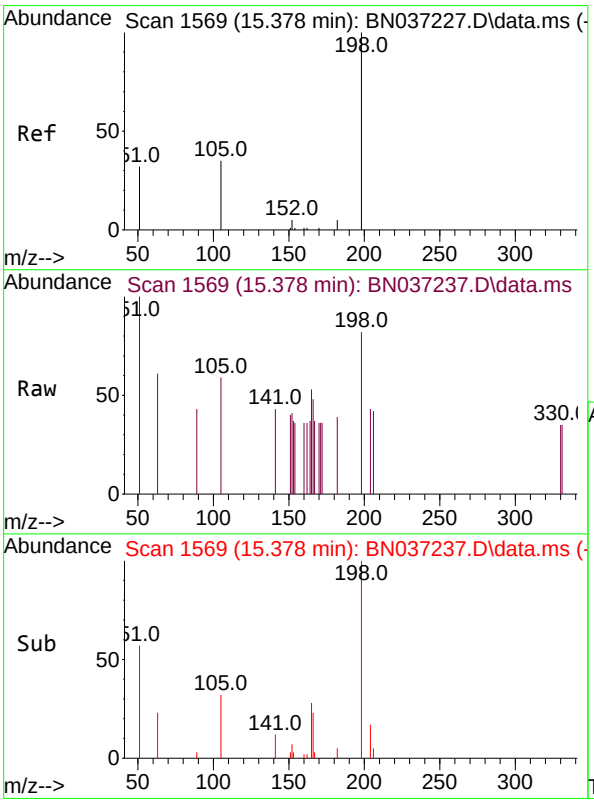
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:188 Resp: 2544

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.6	12.2	18.4

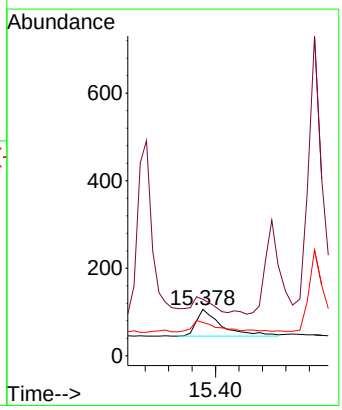


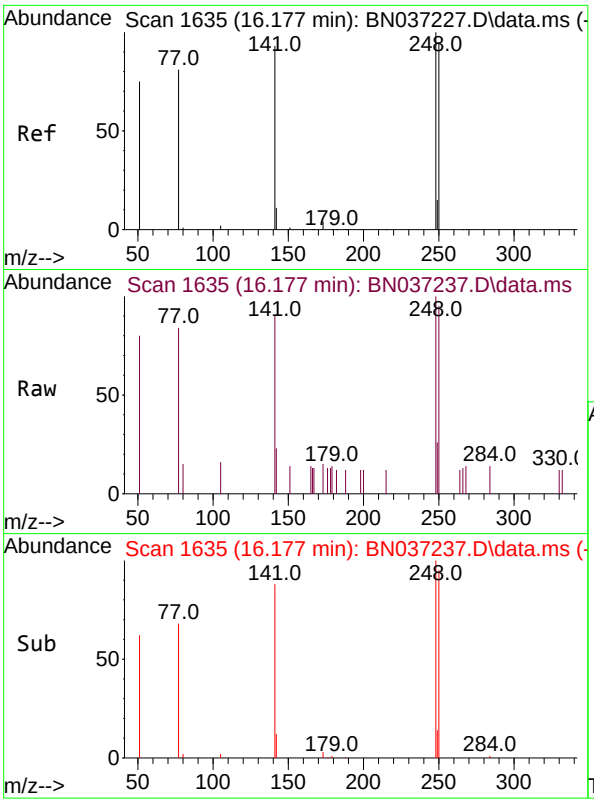


#20
4,6-Dinitro-2-methylphenol
Concen: 0.391 ng
RT: 15.378 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:198 Resp: 183

Ion	Ratio	Lower	Upper
198	100		
51	121.7	111.2	166.8
105	71.7	54.0	81.0



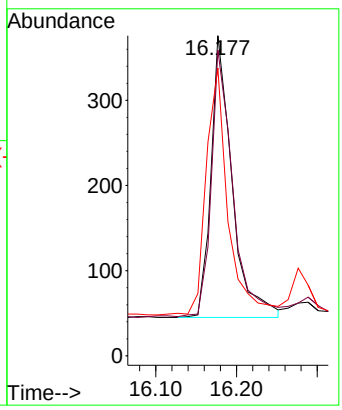


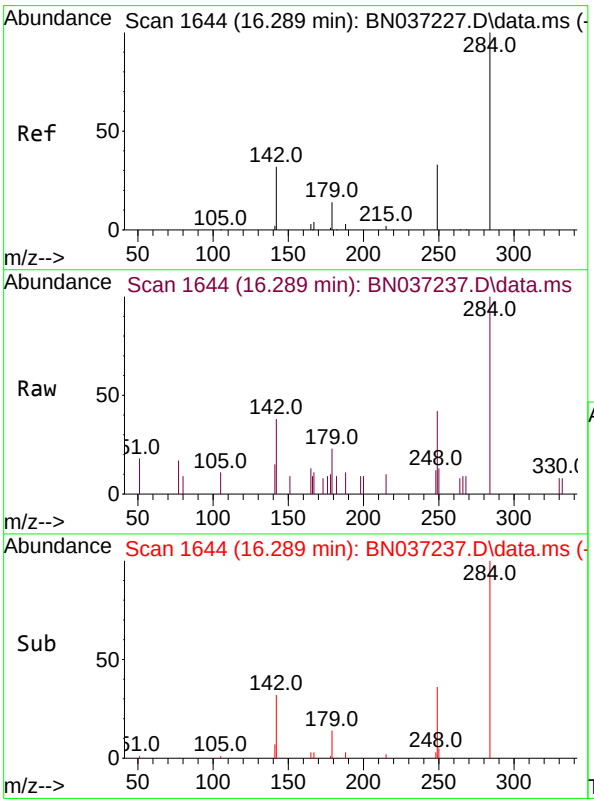
#21
4-Bromophenyl-phenylether
Concen: 0.363 ng
RT: 16.177 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:248 Resp: 601

Ion	Ratio	Lower	Upper
248	100		
250	95.5	76.8	115.2
141	89.9	75.6	113.4

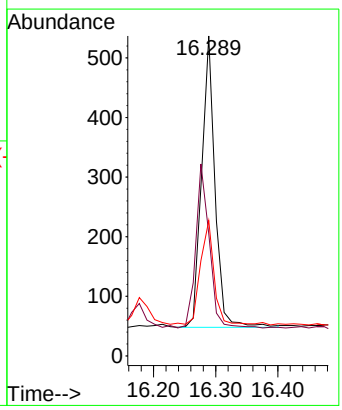


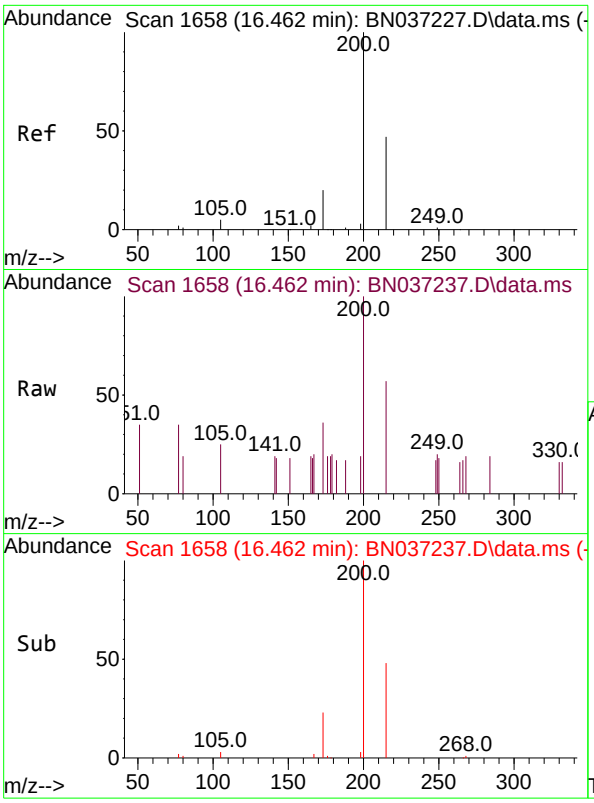


#22
Hexachlorobenzene
Concen: 0.380 ng
RT: 16.289 min Scan# 1644
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:284 Resp: 730

Ion	Ratio	Lower	Upper
284	100		
142	56.7	43.8	65.6
249	36.2	28.4	42.6



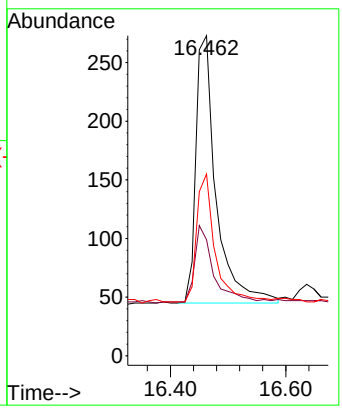


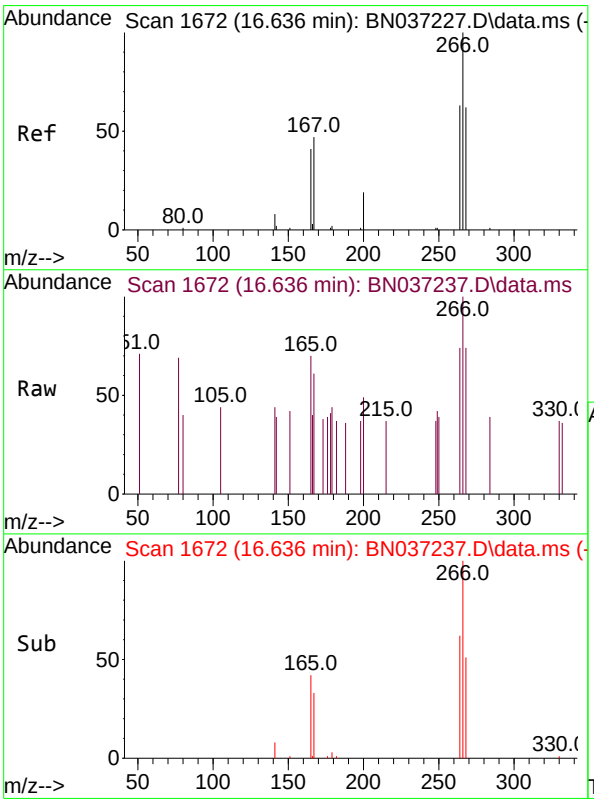
#23
Atrazine
Concen: 0.375 ng
RT: 16.462 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:200 Resp: 554

Ion	Ratio	Lower	Upper
200	100		
173	36.3	25.1	37.7
215	56.8	43.7	65.5

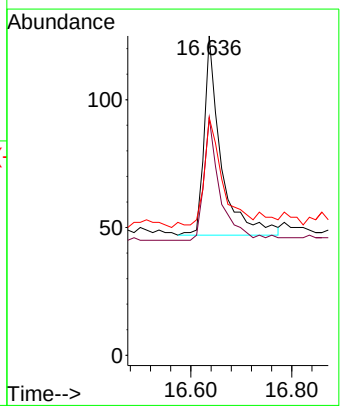


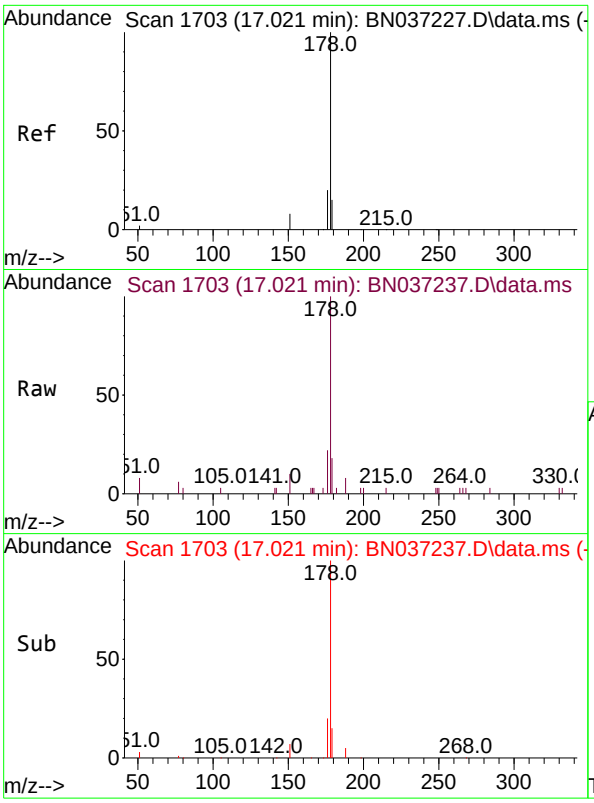


#24
Pentachlorophenol
Concen: 0.190 ng
RT: 16.636 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:266 Resp: 179

Ion	Ratio	Lower	Upper
266	100		
264	59.8	49.2	73.8
268	62.0	53.4	80.2



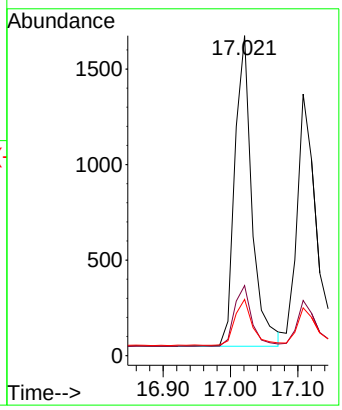


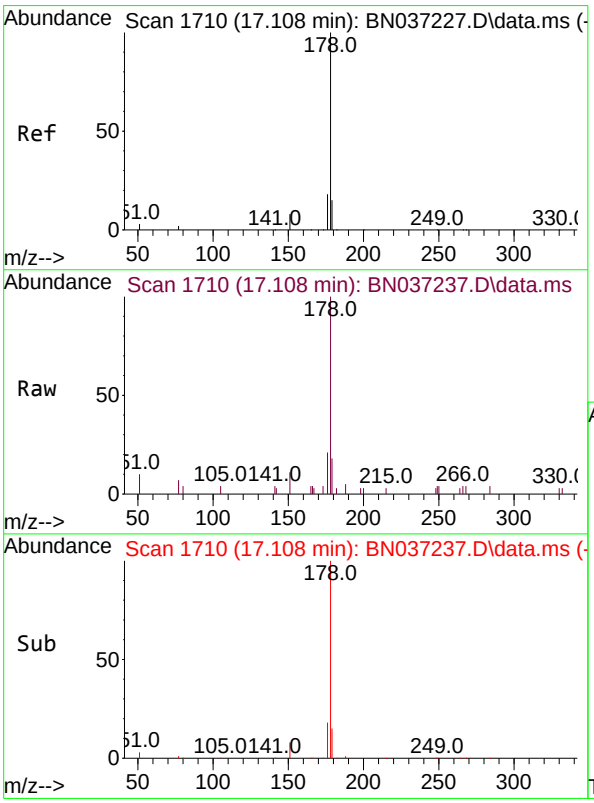
#25
Phenanthrene
Concen: 0.357 ng
RT: 17.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:178 Resp: 2878

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.3	24.5
179	15.3	12.6	18.8

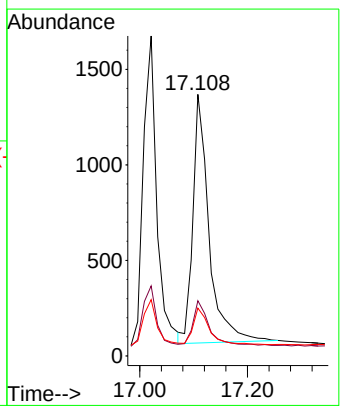


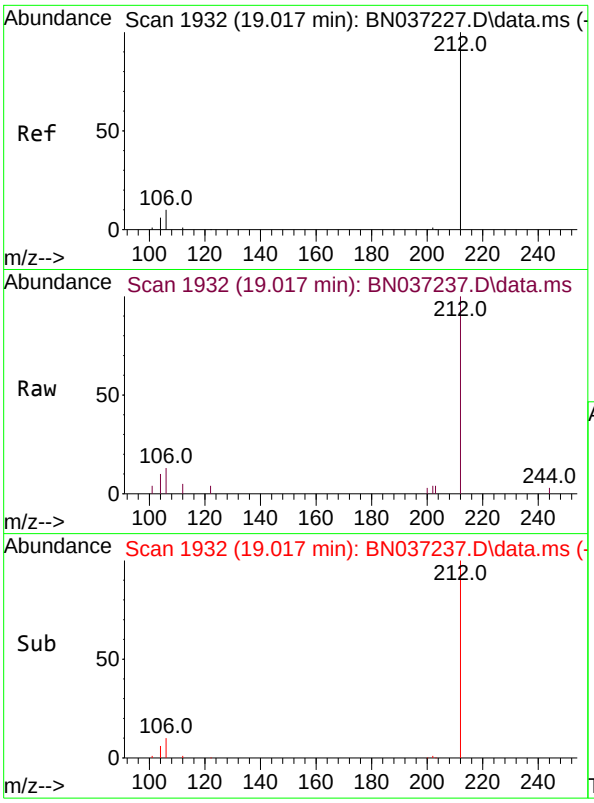


#26
Anthracene
Concen: 0.366 ng
RT: 17.108 min Scan# 1710
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:178 Resp: 2707

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.1	22.7
179	15.1	12.4	18.6



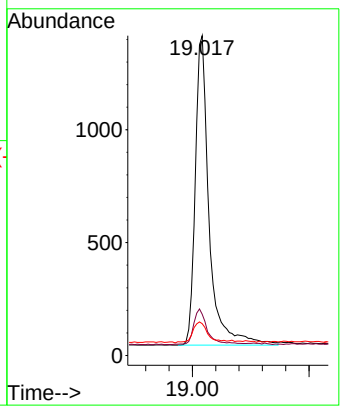


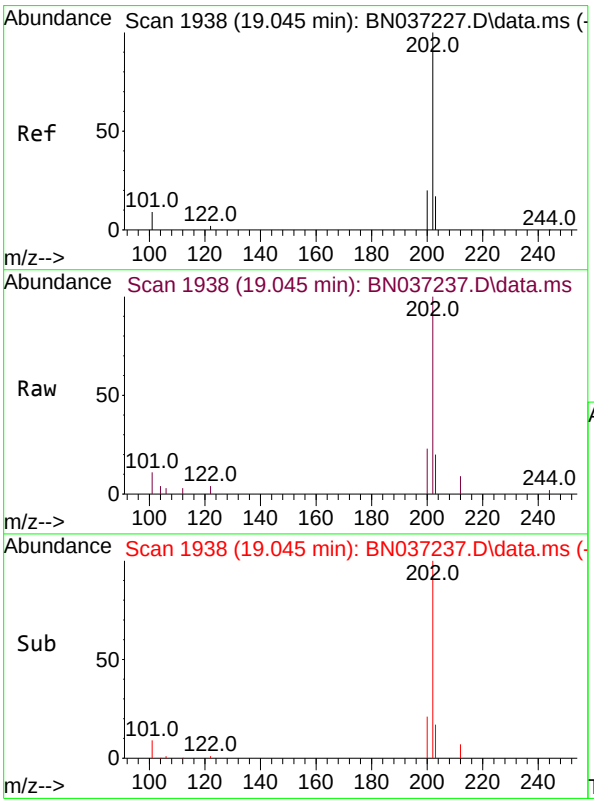
#27
Fluoranthene-d10
Concen: 0.340 ng
RT: 19.017 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:212 Resp: 2260

Ion	Ratio	Lower	Upper
212	100		
106	11.2	9.3	13.9
104	7.4	5.7	8.5

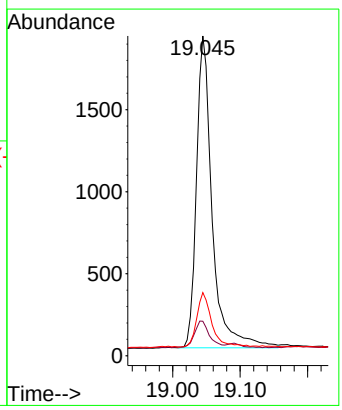


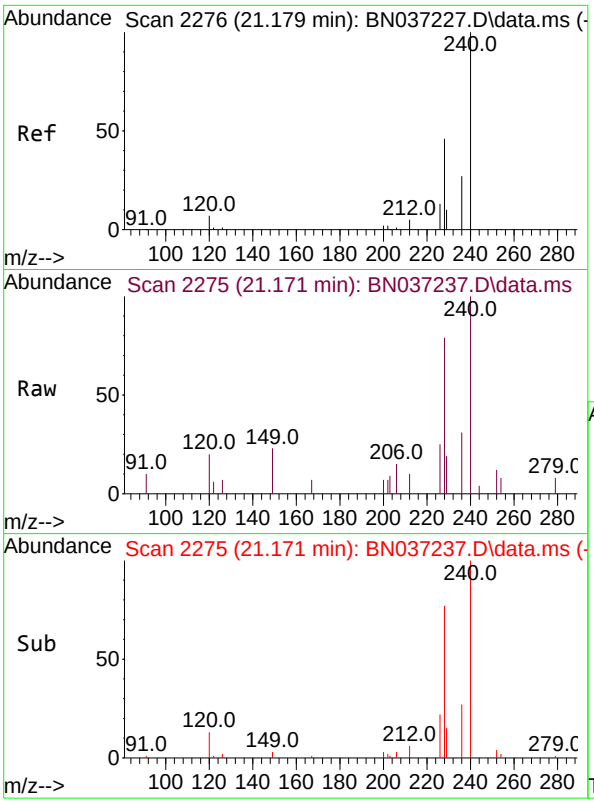


#28
Fluoranthene
Concen: 0.326 ng
RT: 19.045 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:202 Resp: 3075

Ion	Ratio	Lower	Upper
202	100		
101	8.2	7.1	10.7
203	16.7	13.0	19.6



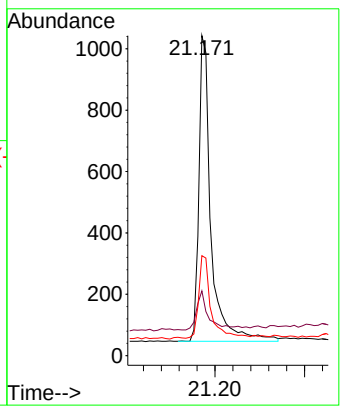


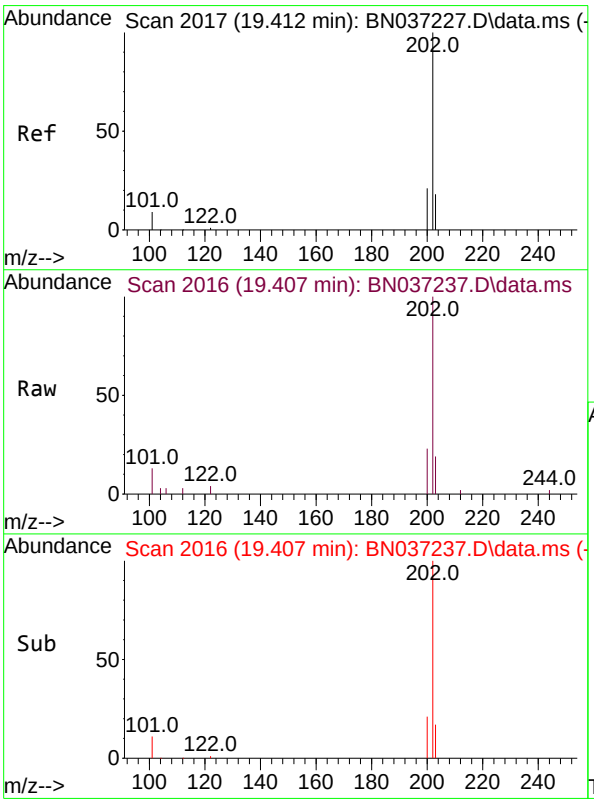
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.171 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:240 Resp: 1864

Ion	Ratio	Lower	Upper
240	100		
120	20.2	11.3	16.9#
236	31.3	24.4	36.6

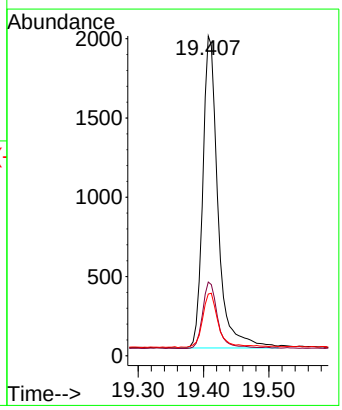


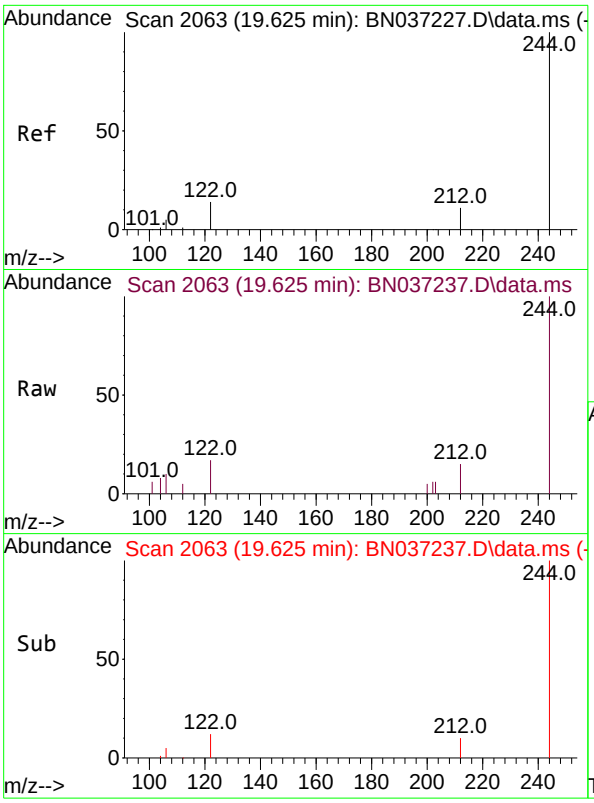


#30
Pyrene
Concen: 0.361 ng
RT: 19.407 min Scan# 2016
Delta R.T. -0.005 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:202 Resp: 3164

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.2	25.8
203	18.6	14.3	21.5



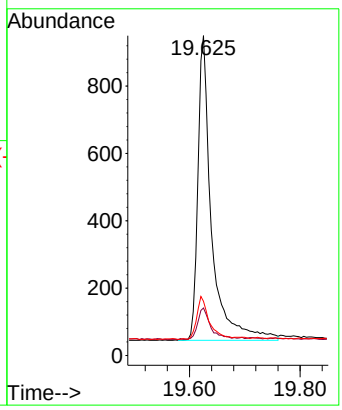


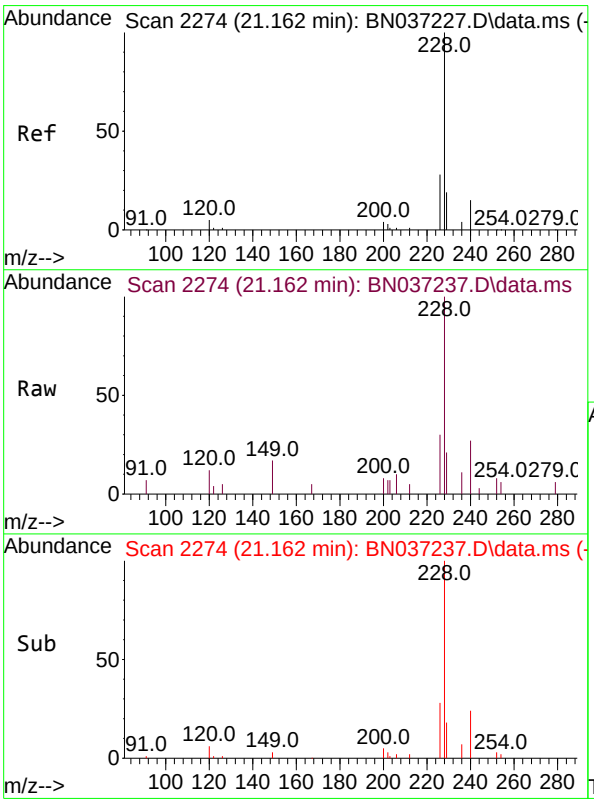
#31
Terphenyl-d14
Concen: 0.367 ng
RT: 19.625 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:244 Resp: 1545

Ion	Ratio	Lower	Upper
244	100		
212	14.8	12.2	18.2
122	16.9	14.3	21.5

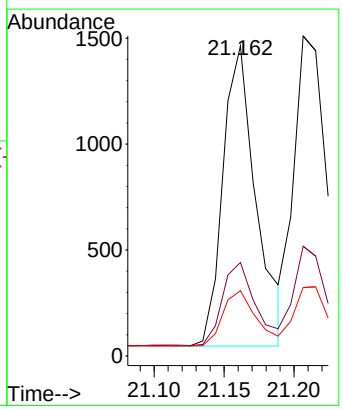


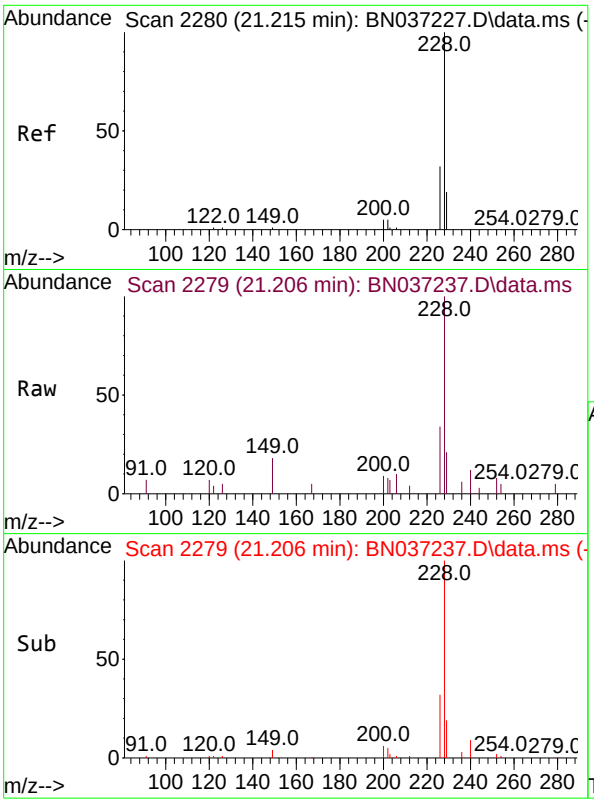


#32
Benzo(a)anthracene
Concen: 0.371 ng
RT: 21.162 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:228 Resp: 2335

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.8	35.8
229	21.0	17.0	25.4



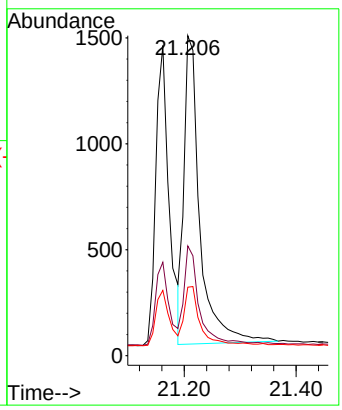


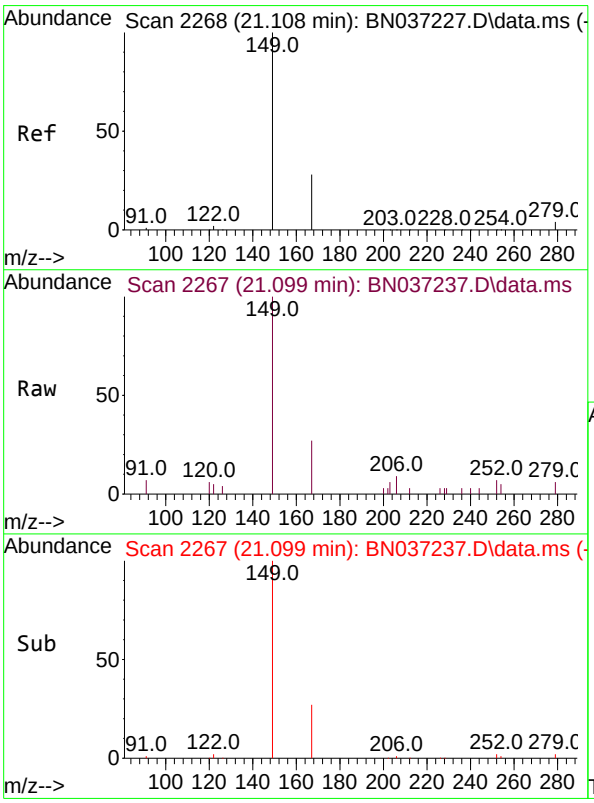
#33
Chrysene
Concen: 0.365 ng
RT: 21.206 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:228 Resp: 2859

Ion	Ratio	Lower	Upper
228	100		
226	34.3	25.8	38.6
229	21.4	17.0	25.4

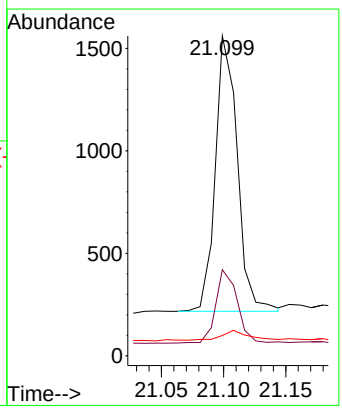


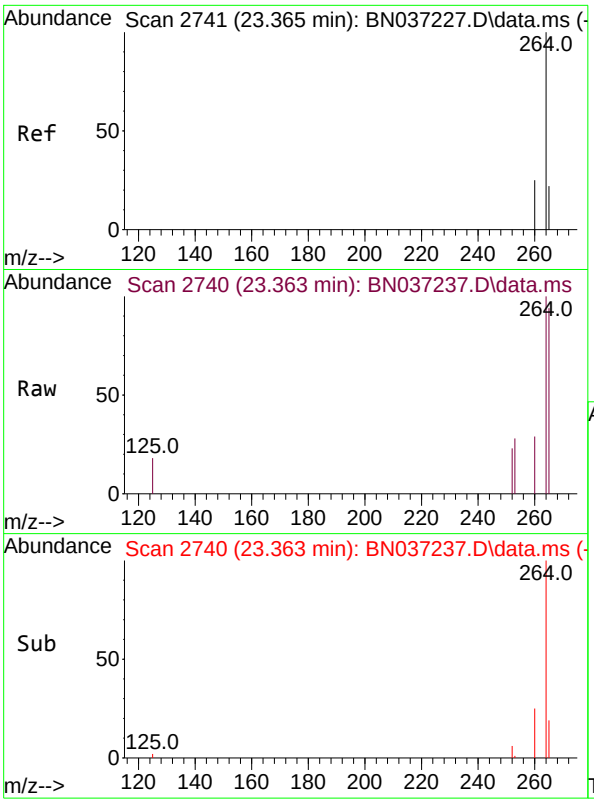


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.353 ng
RT: 21.099 min Scan# 2267
Delta R.T. -0.009 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:149 Resp: 1653

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.3	31.9
279	6.2	3.3	4.9#



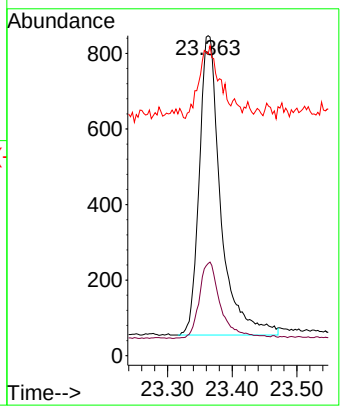


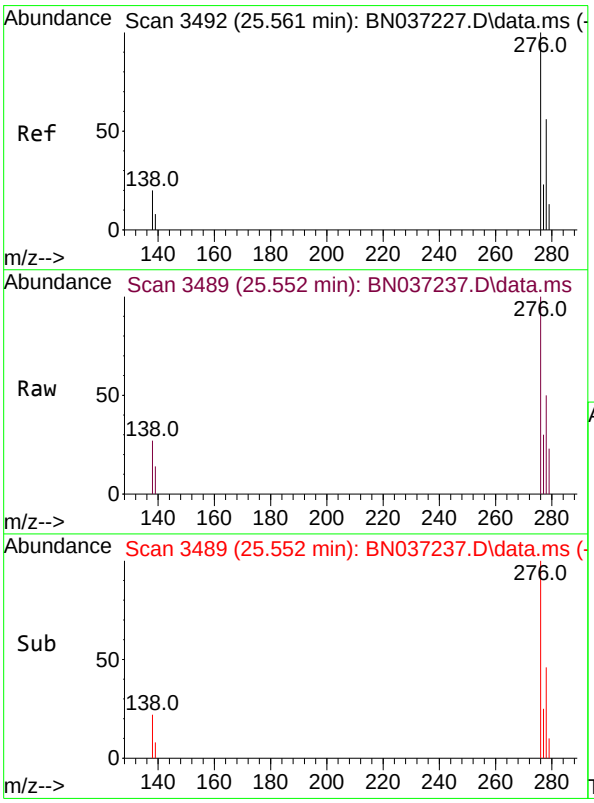
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.363 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:264 Resp: 1823

Ion	Ratio	Lower	Upper
264	100		
260	28.8	22.8	34.2
265	94.2	66.4	99.6

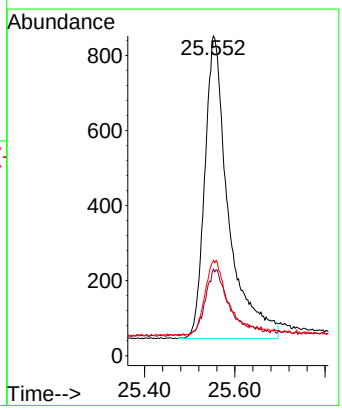


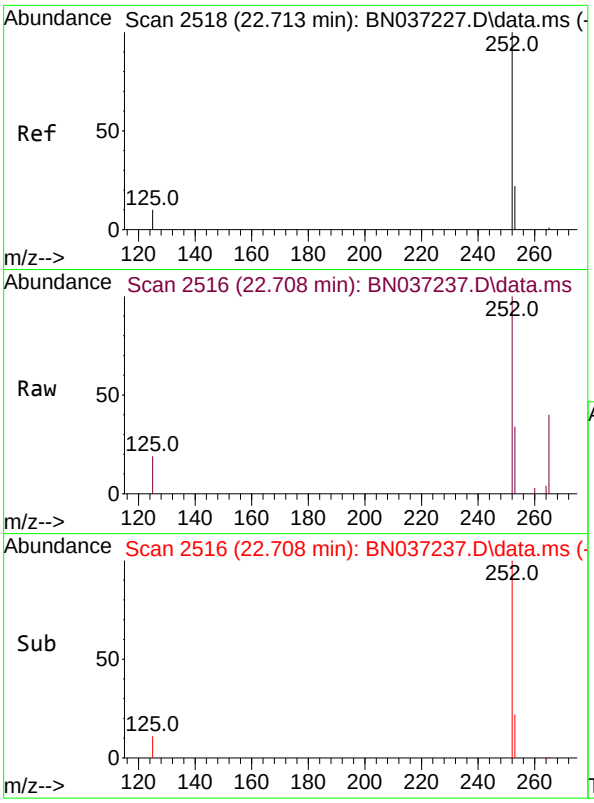


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.400 ng
RT: 25.552 min Scan# 3489
Delta R.T. -0.009 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:276 Resp: 2941

Ion	Ratio	Lower	Upper
276	100		
138	20.6	16.8	25.2
277	24.0	19.5	29.3



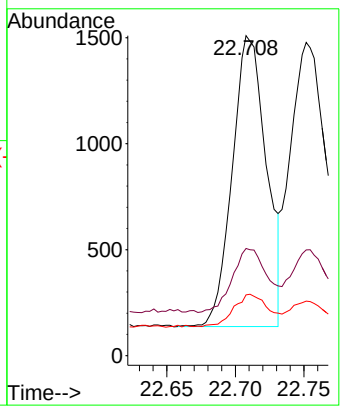


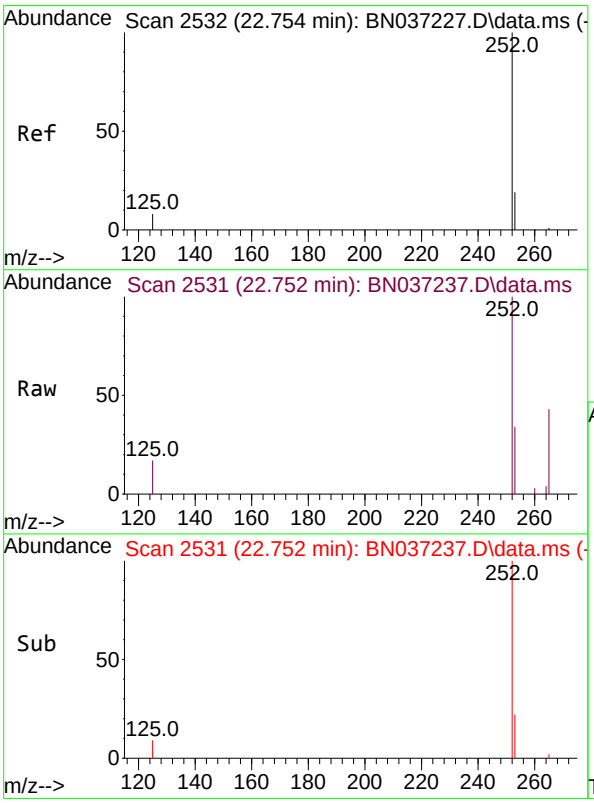
#37
Benzo(b)fluoranthene
Concen: 0.355 ng
RT: 22.708 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:252 Resp: 2370

Ion	Ratio	Lower	Upper
252	100		
253	33.5	24.9	37.3
125	19.0	12.9	19.3

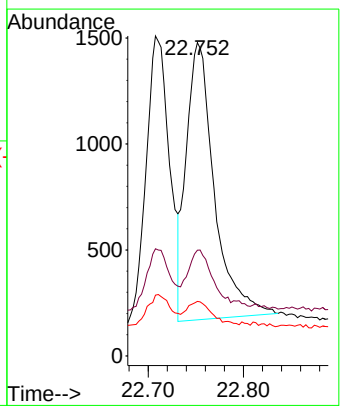


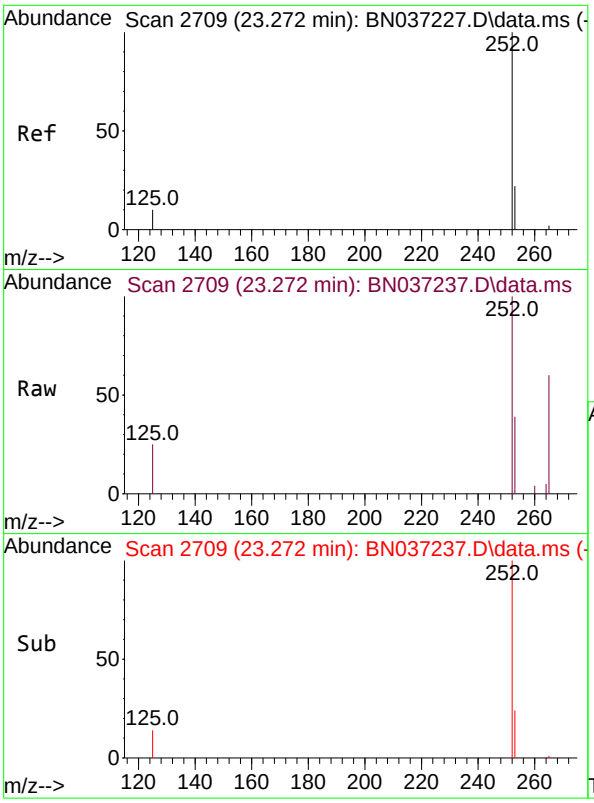


#38
Benzo(k)fluoranthene
Concen: 0.349 ng
RT: 22.752 min Scan# 2531
Delta R.T. -0.003 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:252 Resp: 2685

Ion	Ratio	Lower	Upper
252	100		
253	33.8	24.6	37.0
125	17.4	13.4	20.2



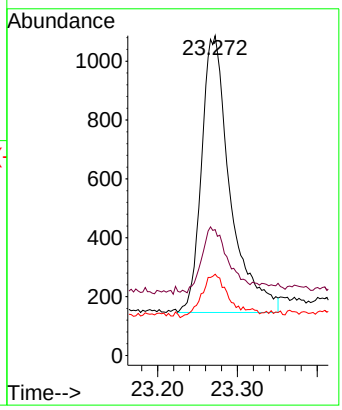


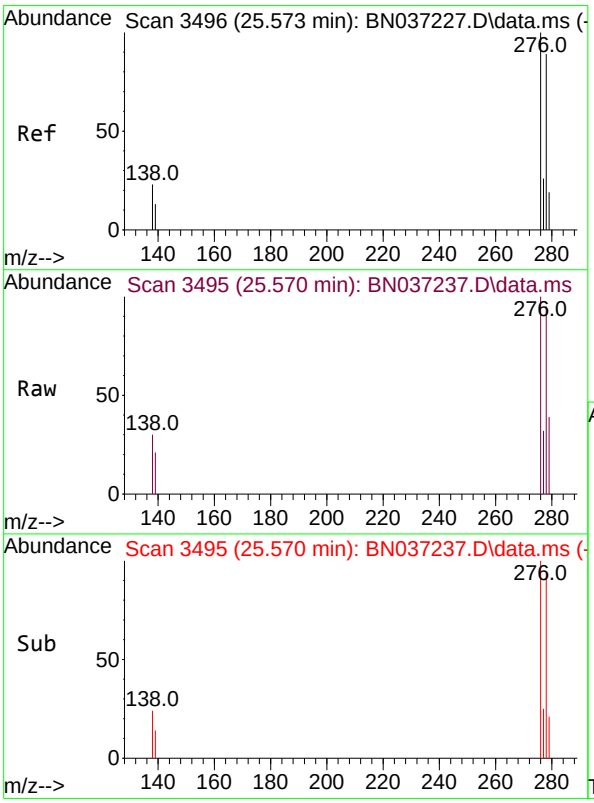
#39
Benzo(a)pyrene
Concen: 0.390 ng
RT: 23.272 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:252 Resp: 2338

Ion	Ratio	Lower	Upper
252	100		
253	39.4	29.4	44.2
125	25.4	16.2	24.2#

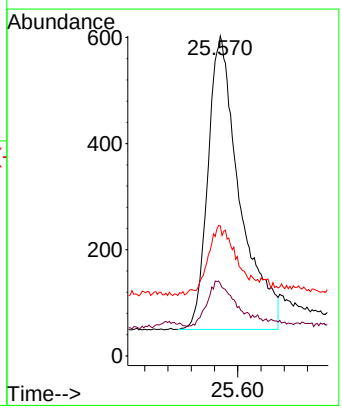


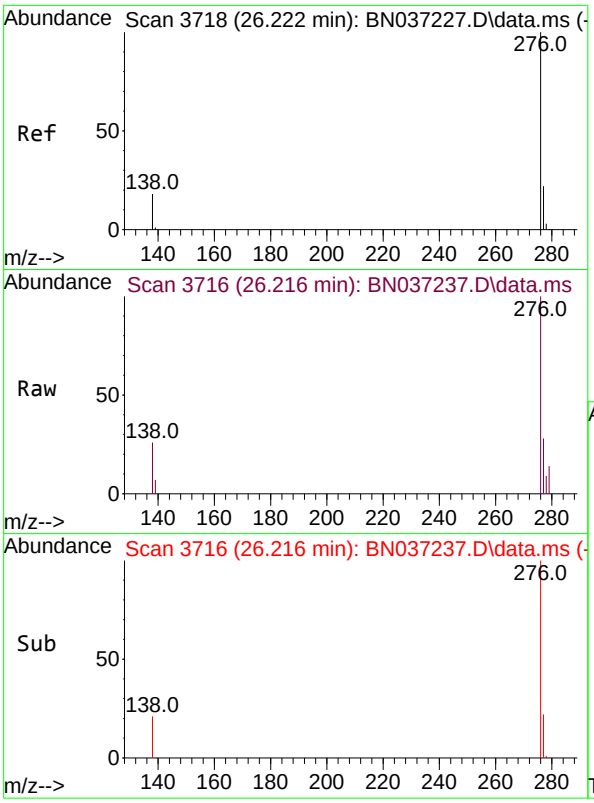


#40
Dibenzo(a,h)anthracene
Concen: 0.374 ng
RT: 25.570 min Scan# 3495
Delta R.T. -0.003 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:278 Resp: 2093

Ion	Ratio	Lower	Upper
278	100		
139	22.6	17.8	26.6
279	40.6	31.3	46.9





#41
Benzo(g,h,i)perylene
Concen: 0.368 ng
RT: 26.216 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:276 Resp: 2507

Ion	Ratio	Lower	Upper
276	100		
277	27.5	22.0	33.0
138	26.0	18.4	27.6